

What is claimed is:

1. A fan protection method, wherein said method includes a set
5 number of fan stops, said method comprising these steps:

(a) stopping said fan;

(b) determining whether or not a number of fan stops is equal to
said set number;

(c) starting said fan when said number of fan stops is not equal to
10 said set number;

(d) determining whether or not said fan can work normally;

(e) resetting said set number when said fan can work normally;

(f) performing step (h) when said number of fan stops is equal to
said set number;

15 (g) repeating step (a) to step (f); and

(h) cutting off power to said fan.

2. The fan protection method according to claim 1, wherein said
set number is set by a user.

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3. The fan protection method according to claim 1, wherein said
number of fan stops is counted by a counter.

4. The fan protection method according to claim 1, wherein said
25 step (d) further comprises making said fan keep working when said fan

is able to work normally.

5. A fan protection method, wherein said method sets a first stopping number and a second stopping number for stopping the fan,
5 said method comprising these steps:
- (a) performing a first stopping process to stop said fan;
 - (b) determining whether or not the a number of times of first stops
is equal to said first stopping number;
 - (c) starting said fan when said number of times of first stops is
10 not equal to said first stopping number;
 - (d) performing step (f) when said number of times of first stops is
equal to said first stopping number;
 - (e) repeating step (a) to step (d);
 - (f) performing a second stopping process to stop said fan;
 - 15 (g) determining whether or not the number of times of second
stops is equal to said second stopping number;
 - (h) starting said fan when said number of times of second stops is
not equal to said second stopping number;
 - (i) performing step (k) when said number of times of second stops
20 is equal to said second stopping number;
 - (j) repeating step (a) to step (i); and
 - (k) cutting off power to said fan.

6. The fan protection method according to claim 5, wherein said
25 number of times of first stops and said number of times of second

stops are both set by a user.

7. The fan protection method according to claim 5, wherein said first stopping number and said second stopping number are set by a user.

8. The fan protection method according to claim 5, wherein said first stopping number and said second stopping number are counted by counters.

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9. The fan protection method according to claim 5, wherein said step (c) further comprises making said fan keep working when said fan is able to work normally and resetting said first stopping number.

15 10. The fan protection method according to claim 5, wherein said step (h) further comprises making said fan keep working when said fan is able to work normally.

11. A fan protection apparatus, wherein said apparatus has a set number of fan restarts, said apparatus comprising:

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a control circuit for stopping said fan or starting said fan;

and

a first counter connecting to said control circuit for counting a number of fan restarts;

25 wherein a control signal is generated when said number of

fan restarts is equal to said set number and said control signal is transferred to said control circuit to stop said fan for a first time.

12. The fan protection apparatus according to claim 11, wherein
5 said control circuit sends a reset signal to reset said first counter when said fan is able to work normally.

13. The fan protection apparatus according to claim 11, wherein
said first time is set by a user.
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14. The fan protection apparatus according to claim 11, wherein
said apparatus further comprises a second counter connected to said
first counter to control the number of times of said fan to stop work for
a first time.
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15. The fan protection apparatus according to claim 14, wherein
the number of times of said fan stops work is set by a user.

16. The fan protection apparatus according to claim 15, wherein
20 said control circuit cuts off power to said fan when said number of
times of said fan stops work is equal to said set number.

17. The fan protection apparatus according to claim 14, wherein
said control circuit sends a reset signal to reset said second counter
25 when said fan is able to work normally.

18. A fan protection apparatus, wherein said apparatus sets a first stopping number and a second stopping number for stopping the fan, said apparatus comprising:

5 a control circuit for stopping said fan or starting said fan;
and

 a first counter connected to said control circuit for counting a number of fan restarts, wherein a control signal is generated when said number of fan restarts is equal to said first stopping number and
10 said control signal is transferred to said control circuit to stop said fan for a first time; and

 a second counter connected to said first counter for receiving said control signal, wherein said second counter counts the number of times of fan stops for a first time, and said control circuit
15 cuts off power to said fan when said number of times of fan stops is equal to said second stopping number.

19. The fan protection apparatus according to claim 18, wherein said first time, said first stopping number, and said second stopping
20 number are set by a user.

20. The fan protection apparatus according to claim 18, wherein said control circuit sends a reset signal to reset said first and said second counter when said fan is able to work normally.

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